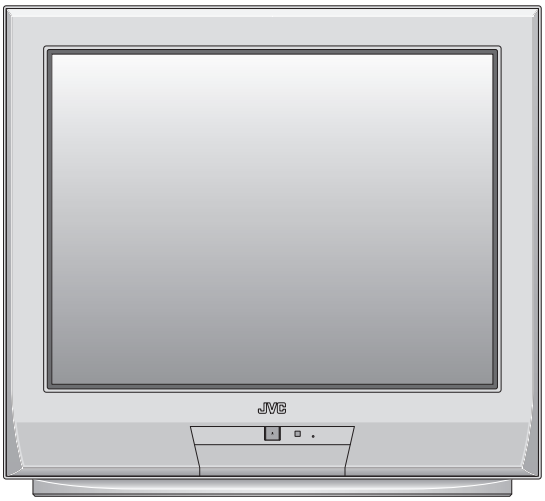
JVC

DEUTSCH
ENGLISH

AV-29DL6SGE

FARBFERNSEHGERÄT BEDIENUNGSANLEITUNG
COLOUR TELEVISION INSTRUCTIONS



T-V LINK

DVB
Digital Video Broadcasting

Trade Mark of the DVB Digital Video Broadcasting Project (1991 to 1996) Number : 3994

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Sehr geehrter Kunde, sehr geehrte Kundin, **DEUTSCH**

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Die europäische Vertretung für die Victor Company of Japan, Limited ist:
JVC Manufacturing U.K. Limited
2 Glenburn Road, College Milton Industrial Estate, East Kilbride G74 5BA
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This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

European representative of Victor Company of Japan, Limited is:
JVC Manufacturing U.K. Limited
2 Glenburn Road, College Milton Industrial Estate, East Kilbride G74 5BA
United Kingdom

Benutzerinformationen zur Entsorgung alter Geräte **DEUTSCH**

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[Europäische Union]

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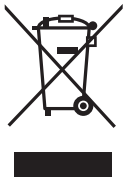
Information for Users on Disposal of Old Equipment **ENGLISH**



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[European Union]

This symbol indicates that the electrical and electronic equipment should not be disposed as general household waste at its end-of-life. Instead, the product should be handed over to the applicable collection point for the recycling of electrical and electronic equipment for proper treatment, recovery and recycling in accordance with your national legislation.

By disposing of this product correctly, you will help to conserve natural resources and will help prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of this product. For more information about collection point and recycling of this product, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

(Business users)

If you wish to dispose of this product, please visit our web page www.jvc-europe.com to obtain information about the take-back of the product.

[Other Countries outside the European Union]

If you wish to dispose of this product, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment.

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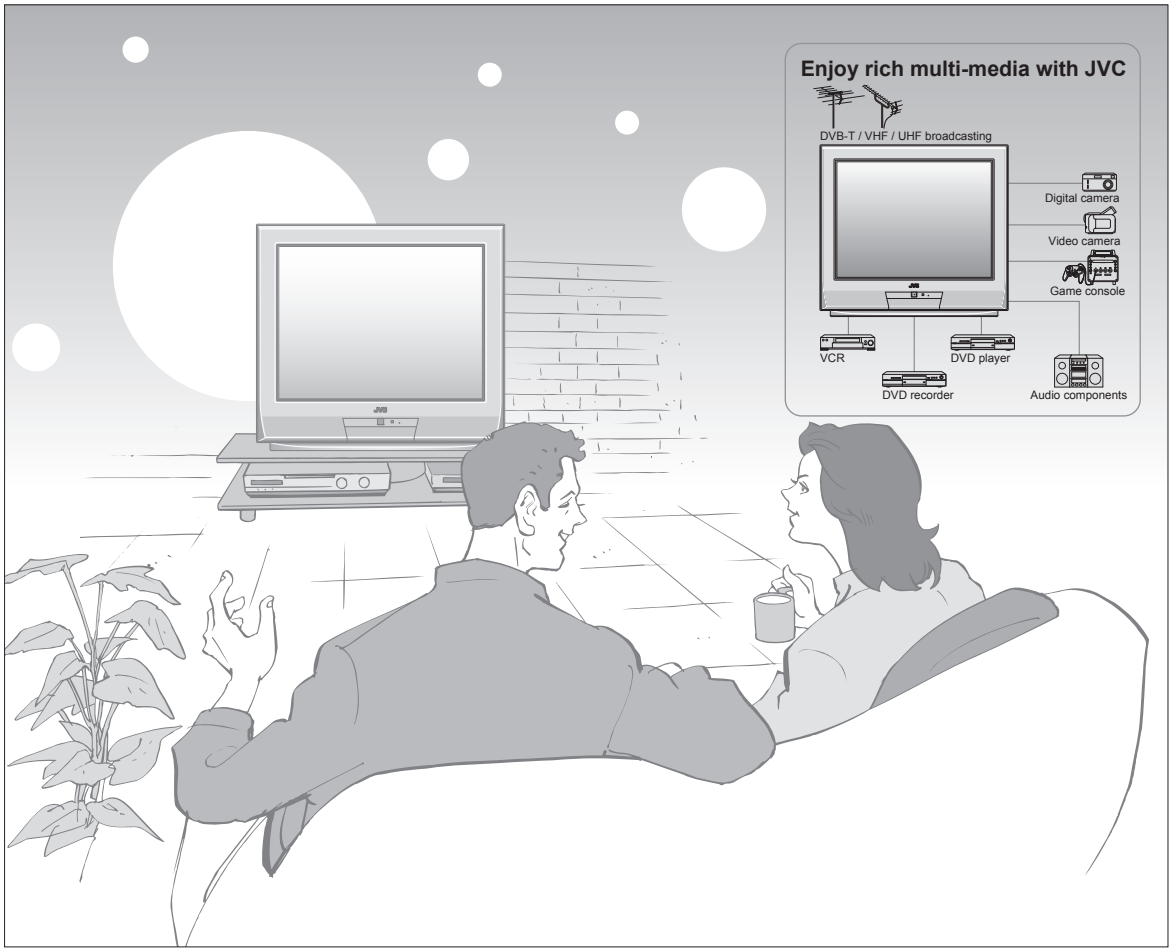
Expanding the world of beautiful images



Digital terrestrial broadcasting (DVB-T)
➡ Digital channels
Analogue terrestrial broadcasting (VHF / UHF) and analogue cable TV
➡ Analogue channels

Contents

First things first!
- Warning 3

Getting started
- Names of all the parts 5
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Warning

Please follow all the guidelines below

Follow this manual regarding setup!

- Connect only to a 220-240V, 50Hz AC outlet.

Never place anything on the TV!

- Placing liquids, naked flames, cloths, paper, etc. on the TV may cause a fire.

Never expose to rain or moisture!

- To prevent fire or electric shock, never allow liquids to enter the unit.

Never insert objects into the cabinet openings!

- It may cause a fatal electric shock. Take care when children are near.

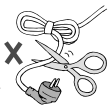
Make enough room for inserting and removing the power plug!

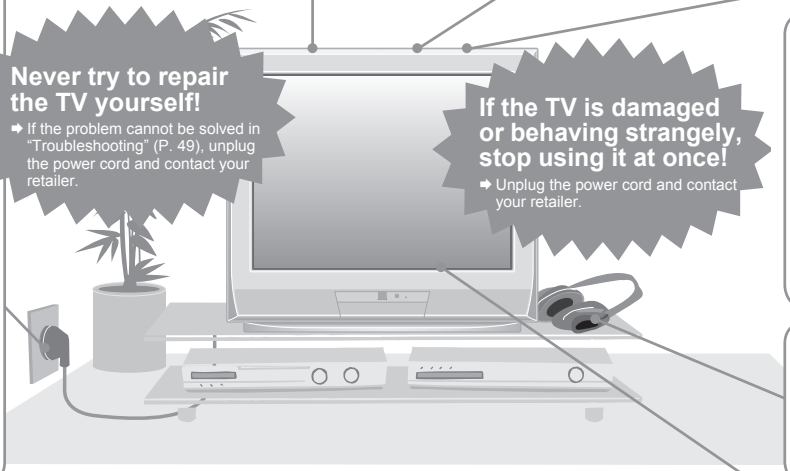
Place the TV as close to the outlet as possible!

- The main power supply for this TV is controlled by inserting or removing the power plug.

Never cut or damage the power cord!

- If the AC plug is not the right shape, or the power cord is not long enough, use an appropriate plug adapter or extension cable. (Consult your retailer.)





Never try to repair the TV yourself!

➡ If the problem cannot be solved in "Troubleshooting" (P. 49), unplug the power cord and contact your retailer.

If the TV is damaged or behaving strangely, stop using it at once!

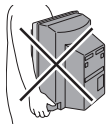
➡ Unplug the power cord and contact your retailer.

Hold the TV so as not to scratch the screen!

- Do not touch the screen when carrying the TV.

Do not carry the TV on your own!

- In order to prevent accidents, ensure that the TV is carried by two or more people.

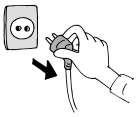


Never listen to headphones at high volume!

- It may damage your hearing.

Unplug the power cord when going out!

- The power buttons on the remote control and the TV unit cannot completely turn off the TV. (Make appropriate arrangements for bedridden people.)



Do not allow the TV to fall!

- Do not rest your elbows on, or allow children to hang from the TV. There is a risk that the TV will fall and cause injuries.

On disposal of the TV!

- Follow the instruction in "Information for Users on Disposal of Old Equipment" (P. II).

Never dismantle the rear panel!

- It may cause an electric shock.

Never obstruct the ventilation holes!

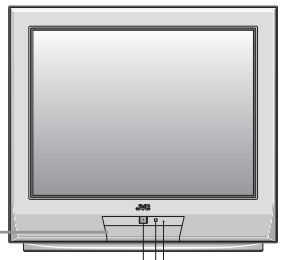
- It may cause overheating or a fire.

Handle TV screen with care!

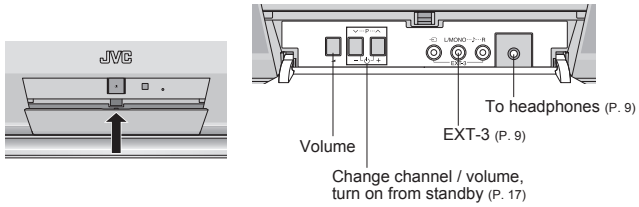
- Use a soft, dry cloth when cleaning.

■For more details on installation, usage and safety ➡ Consult your retailer

Names of all the parts



■Open the front cover



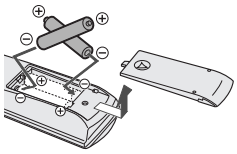
Check accessories

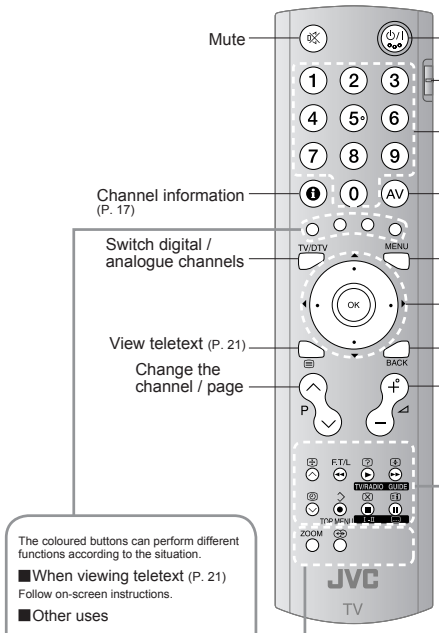
Remote control
(RM-C1818S)

"AA/R6" Batteries
(For confirming the TV works)

Insert the batteries

Use two "AA/R6" dry cell batteries. Insert the batteries from the ⊖ end, making sure the ⊕ and ⊖ polarities are correct.





The coloured buttons can perform different functions according to the situation.

■When viewing teletext (P. 21)
Follow on-screen instructions.

■Other uses

Follow instructions in on-screen guides.

■When watching TV / Video

ZOOM

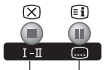
Turn on "3D CINEMA SOUND" (P. 30)

Change the aspect ratio (P. 30)

■When watching digital channels

View the electronic programme guide (EPG) (P. 19)

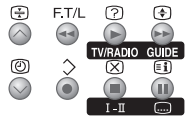
Switch TV / RADIO (P. 17)



View subtitles (P. 29)

Audio select (P. 29)

■When viewing teletext (P. 21)



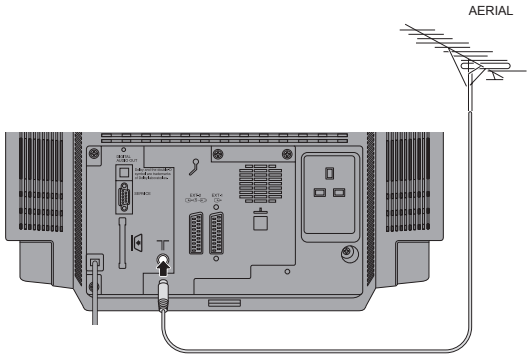
■When operating a JVC VCR or DVD (P. 25)

Basic connections

Please read the user manuals of each device carefully before setup.
It is necessary to connect an aerial to watch TV.

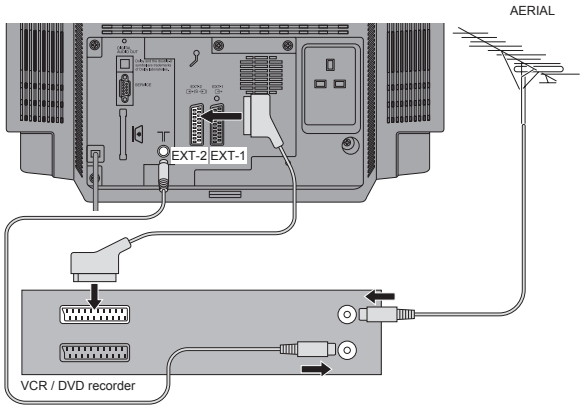
■Connect with other devices ➡ “Connecting external devices” (P. 9)

Connect the aerial



- After all the connections have been made, insert the plug into an AC outlet.
- When using an aerial which needs external power ➡ “Power supply for the indoor aerial” (P. 54)

Connect a VCR / DVD recorder



- After all the connections have been made, insert the plug into an AC outlet.
- Connect “T-V LINK” compatible recording device to “EXT-2”.
- “T-V LINK” ➡ “What is “T-V LINK”?” (P. 11)
- When using an indoor aerial which needs external power, connect the aerial directly to the TV.
  ➡“Power supply for the indoor aerial” (P. 54)

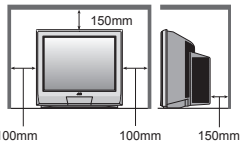
Care when setting

■Power requirements

- Connect the power cord only to a 220-240V, 50Hz AC outlet.

■Installation requirements

- To avoid overheating, ensure the unit has ample room.

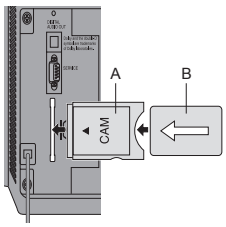


Watch pay-TV digital channels

Subscribe to a broadcasting company beforehand. A Smart Card (B) will be sent by the broadcasting company after subscribing to it. It may be necessary for you to purchase a Conditional Access Module (A) in addition to the Smart Card. Consult your broadcasting company or retailer.

① Unplug the power cord
② Insert “B” into “A”.
③ Insert “A”.
④ Plug the power cord, and turn the power on.
⑤ Perform necessary settings ➡ “Common Interface” (P. 41)

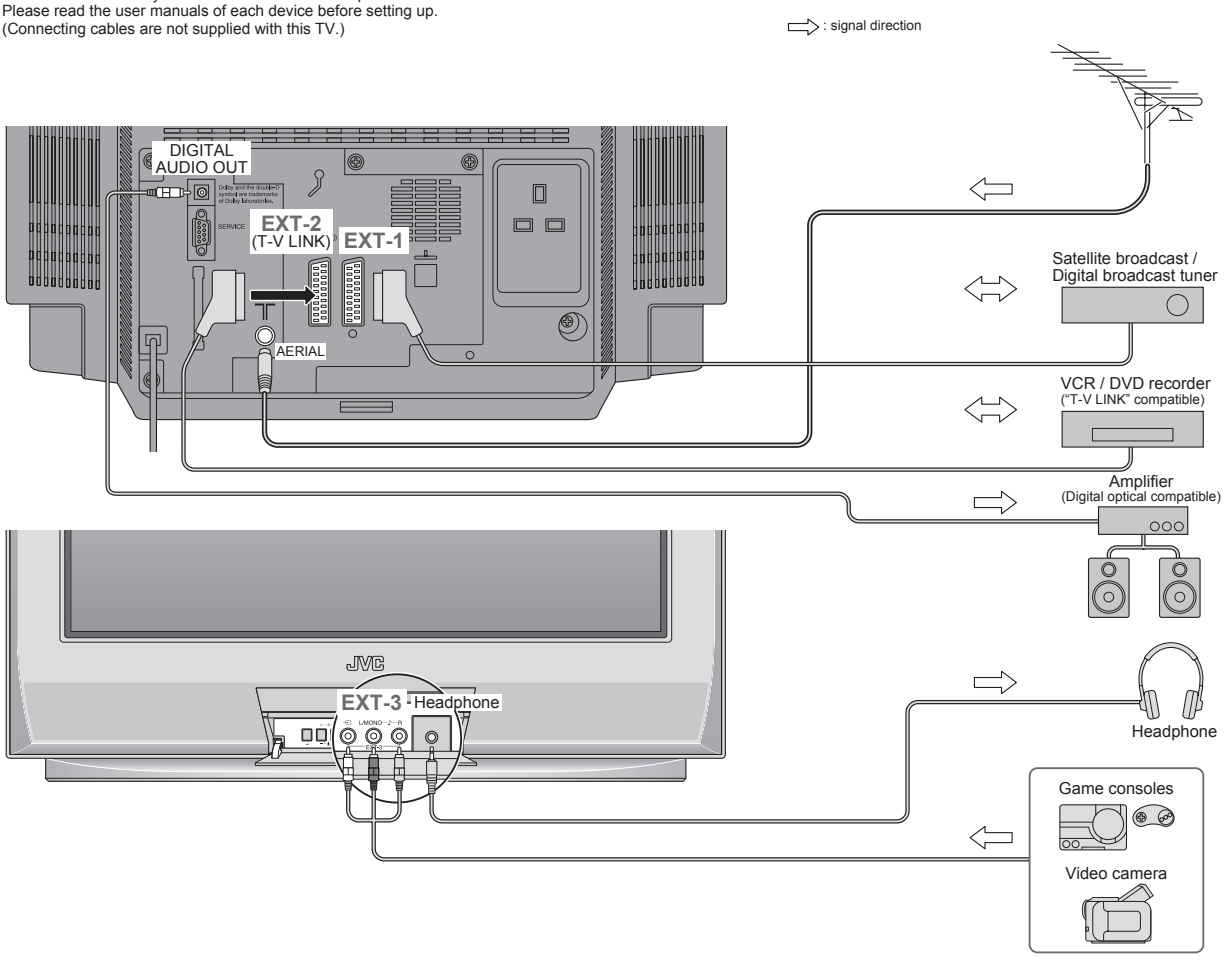
- Pay-TV analogue channels cannot be watched.



Connecting external devices

VCR / DVD / other devices

You can connect many different devices to the rear panel of the TV.
Please read the user manuals of each device before setting up.
(Connecting cables are not supplied with this TV.)



■ "T-V LINK" ➡ (P. 11)

EXT-1 Watching videos

Output ⬆	Input ⬇
· Composite signal · Sound L / R	· Composite signal / RGB · Sound L / R

EXT-2 Dubbing videos Using "T-V LINK"

Output ⬆	Input ⬇
· Composite signal · Sound L / R	· Composite signal / S-VIDEO · Sound L / R
· T-V LINK	

- Use S-VIDEO ➡ "S-IN" (P. 26)
- Select dubbing sources ➡ "DUBBING" (P. 26)
- Connect a decoder ➡ "DECODER (EXT-2)" (P. 34)

EXT-3 Watching videos

Output ⬆	Input ⬇
	· Composite signal · Sound L / R

DIGITAL AUDIO OUT

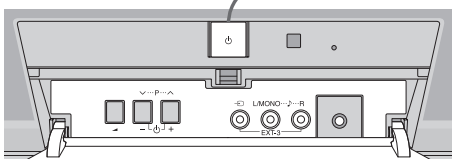
Listening to the digital audio of digital channels on external speakers

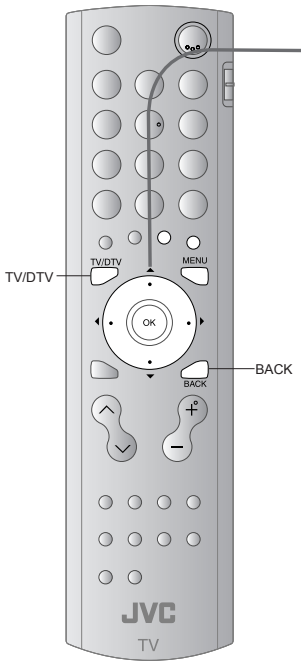
Output ⬇
· Digital sound (P. 55)

- The sound from analogue channels and external devices cannot be output. "Dolby Digital output from the DIGITAL AUDIO OUT terminal" ➡ (P. 55)

Initial settings

Register digital / analogue channels on TV. These channels can be edited later.
(In this manual, digital terrestrial broadcasting is indicated as digital channels, analogue terrestrial broadcasting and analogue cable TV as analogue channels.)





■To the previous screen ➡ BACK

■Exit ➡ TV/DTV

■If the “JVC” logo does not appear or if you wish to make changes later

➡ Digital channel settings : “Configuration” (P. 39)
“Installation” (P. 43)
Analogue channel settings : “SET UP” (P. 34)

What is “T-V LINK”?

Connecting the TV to a “T-V LINK” compatible device allows :

- Analogue channels to be instantly registered on the device.
- The “DIRECT REC” function to be used.
  ➡ “Technical information” (P. 54)

■“T-V LINK” variations

“T-V LINK” (JVC) “Q-LINK” (Panasonic)
“Megalogic” (Grundig) “Data Logic” (Metz)
“SMARTLINK” (Sony) “Easy Link” (Philips)

1 Begin

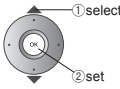
● Shown only when powering on for the first time.

■The remote control doesn’t work

● Confirm the mode is set to “TV”.

2 Set digital channels

1 Select a language

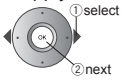


● Language for on-screen displays when watching digital channel including the DTV menu.

2 Confirm “Germany” is set

● This TV can only receive German digital channels.

3 Set the aerial power supply



● If you are uncertain whether the aerial needs external power, select “Off”.
● Only when using an aerial which needs external power, select “On”.
➡ “Power supply for the indoor aerial” (P. 54)

4 Scan digital channels

5 Register digital channels

■If digital channels are not found, the following message will appear.

➡ 3 (Next page)

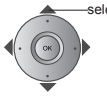
● After completing following steps, read “When the TV cannot find the digital channels” (P. 14) and try scanning digital channels again

Initial settings (continued)

3 Confirm the language

● Language for on-screen analogue channel displays and menus (excluding the DTV menu)

■When change a language



■When not using analogue channels ➡

➡ 5

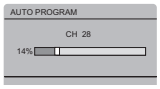
■When using analogue channels (or cable TV) ➡

➡ 4

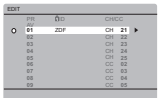
4 Set analogue channels

1 Register analogue channels

■When change a country



2 Check what was registered



■Edit analogue channels
➡ 5 in “Editing analogue channels” (P. 47)

■Confirm

3 Set T-V LINK

■When using “T-V LINK”

● If “FEATURE NOT AVAILABLE” appears :
➡ Is a “T-V LINK” compatible device connected to “EXT-2”?
➡ Is the device turned on?

■When not using “T-V LINK”

5 Initial setting is complete

■Edit digital channels ➡ Editing digital channels (P. 45)
■If digital channel reception is poor ➡ When the digital channel reception is poor (P. 14)
■If analogue channel reception is poor ➡ Troubleshooting (P. 49)
■Some digital channels cannot be watched on this TV. ➡ (P.54)

When the TV cannot find the digital channels

Check the following points

● Is the TV connected correctly to the aerial?
● Change the direction of the indoor aerial.
● Is there a digital channels transmission tower nearby?
➡ Turn “ATTENUATOR” to “ON” (P. 34), since the radio waves are too strong.

● Register digital channels again ➡ “Service Scan” (P. 43)

■If you still cannot watch digital channels after following the steps above, there may be a problem with your aerial or its cable. Or, the signal may be too weak. ➡ Consult your retailer

When the digital channel reception is poor

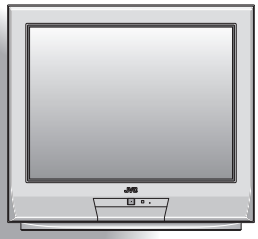
The “Missing or weak signal” message appears.

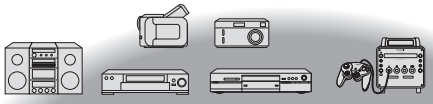
Check the following points

● Is the TV connected correctly to the aerial?
● Change the direction of the indoor aerial.
● Is there a digital channels transmission tower nearby?
➡ Turn “ATTENUATOR” to “ON” (P. 34), since the radio waves are too strong.

■Check digital channels signal ➡ Signal Check (P. 43)
■If you still cannot watch digital channels after following the steps above, there may be a problem with your aerial or its cable. Or, the signal may be too weak. ➡ Consult your retailer

Enjoying your new TV!





PAGE 17 Watching digital channels

- View channel information
- Select a channel
- Listen to the radio

PAGE 23 Watching analogue channels

- Display the current time
- Using the PR list

TV/DTV

TV/RADIO

1 2 3
4 5 6
7 8 9
0

PAGE 25 Watching videos / DVDs

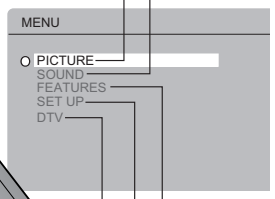
AV

- Watch high quality video (S-VIDEO)
- Name connected devices
- Dub videos

MENU

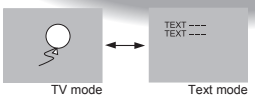
PAGE 33 Personal preferences

- Adjust the picture
- Adjust the sound
- Advanced settings (sleep-timer / child lock, etc.)
- Basic settings (channel settings, etc.)
- Setting digital channels (timer-record / configuration / channel settings, etc.)



PAGE 21 Viewing teletext

- Enlarge the text
- Bookmark your favourite pages
- Reveal hidden pages



GUIDE

PAGE 19 Using EPG

- View the programme list for 8 days
- Search from a genre
- Reserve a programme to watch / record

15-16
6/30/2006 11:50:05 AM

Watching digital channels

1 Set to “TV”

2 Turn on from standby

The green power lamp on the TV lights.

- Press again to turn the screen off and put the TV into standby mode.

3 Switch to digital channels

TV/DTV

4 Switch TV / RADIO

5 Select a channel

■To the previous channel

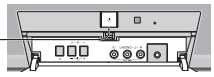
■View subtitles / Select audio language ➡ (P. 29)

Note

- To completely turn off the TV, unplug the AC plug.
- Watch pay-TV digital channels ➡ (P. 8)
- Add a new station ➡ (P. 43)
- Some digital channels cannot be watched on this TV. ➡ (P.54)

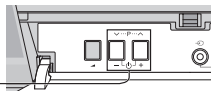
Basic operations using the TV buttons

1 Power on



■Turn on from standby

2 Change the channel

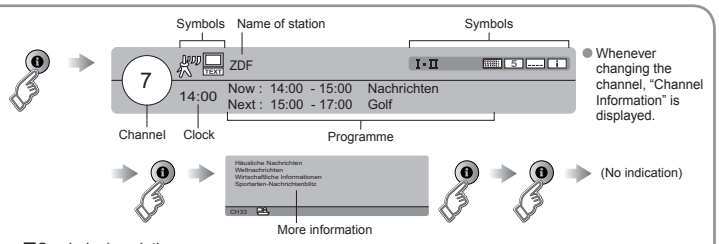


■Volume

■Switch to digital channels

■The channels and programme names shown in the illustrations here are examples only.

Channel information



- Whenever changing the channel, “Channel Information” is displayed.

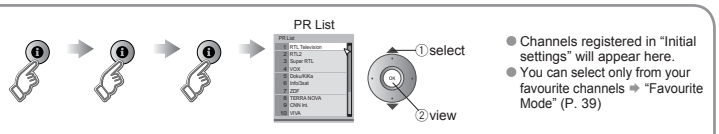
■Symbols description

: Reception level Red : Poor Yellow : Acceptable Green : Excellent	: Pay-TV channel
: TV programme : Radio programme	: Minimum viewing age limit of the programme. Set viewing age limit. ➡ (P. 39)
TEXT : Teletext is available (P. 22).	: Subtitles are available (P. 29).
I-II : I : Audio in another language is not available. II : Other audio languages are available (P. 29).	: More information about the programme is available. ➡

Dolby Digital : Dolby Digital signal is output from the “DIGITAL AUDIO OUT” terminal (P. 55)

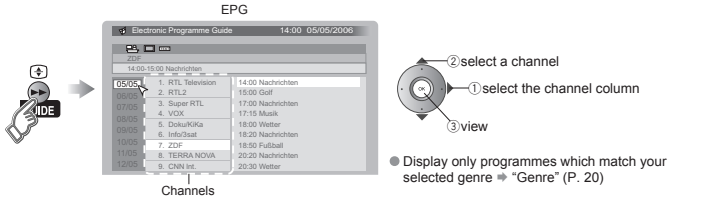
- The information displayed may differ from programme to programme.

Using PR list



- Channels registered in “Initial settings” will appear here.
- You can select only from your favourite channels ➡ “Favourite Mode” (P. 39)

Using EPG



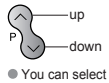
- Display only programmes which match your selected genre ➡ “Genre” (P. 20)

Using the number buttons, up / down buttons

■Enter a channel number

E.g.
1 : 0 ➡ 0 ➡ 1
15 : 0 ➡ 1 ➡ 5

■Move up or down a channel



- You can select only from your favourite channels ➡ “Favourite Mode” (P. 39)

Using EPG (Electronic Programme Guide)

You can find a digital channel programme from an eight-day programme guide, check its information, and make a reservation.

1 Switch to digital channels

TV/DTV

■Switch TV / RADIO

RADIO

2 Display EPG

GUIDE

Genre TV Radio

Date Channel Programme

■Check programme information

■Close EPG

GUIDE

■Search from genre

Genre icon

General	Music
Movie	Culture
News	Current Affairs
Entertainment	Education
Sports	Leisure
Children	

3 Find a programme

■Watch / listen to the programme ➡ (P. 18)

■Reserve the programme

select a date / a channel / a programme

select a column
(date ➡ channel ➡ programme)

■The channels and programme names shown in the illustrations here are examples only.

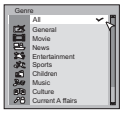
Display only programmes which match your selected genre

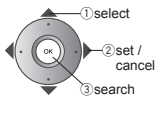
Genre

1 Display the genre List

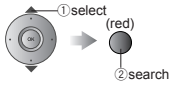
(green)

2 Select a genre





■Quick search



● Only one genre can be selected.

● More than one genre can be selected.

3 Find a programme

Your selected genres are displayed

● Only programmes in the selected genre are displayed.

Reserve a programme to watch and record

Timer

1 Display "Timer"

● Select the reserved programme beforehand

(red)

2 Set "Timer"

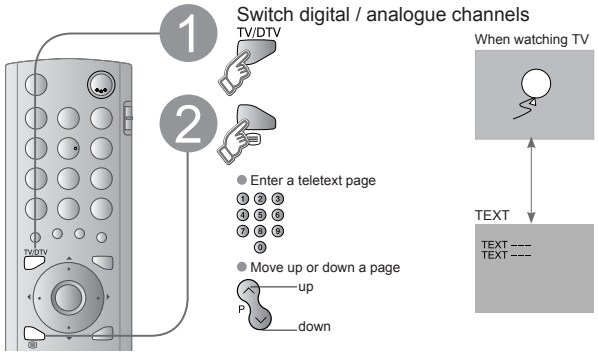
➡ 6 in "Using timer-record" (P. 27)

3 Confirm the reservation

(red) : Reserve to record
(blue) : Reserve to watch
: Reservation time is shorter than the broadcasting time

● For more details about the timer-record setting
➡ "Using timer-record" (P. 27)

Viewing teletext



View sub-pages

Sub-page

Display sub-pages

■Move up or down a page

(red) (green) (yellow) (blue)

down up

■Release ➡ Press "" again

Bookmark your favourite page

LIST MODE

1 F.T/L Display your favourites list

(RED) (GREEN) (YELLOW) (BLUE)

??? ??? ??? ???

2 Select a coloured button to save your page to

(red) (green) (yellow) (blue)

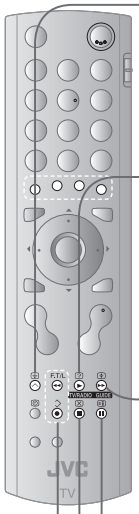
??? ??? ??? ???

3 Enter the number of the page to save

??? 124 ??? ???

4 Save

■Recall your favourite page ➡ Press the coloured button as in step 2



Hold the current page

HOLD

Hold the current page

■Release ➡ Press "" again

Reveal hidden pages

REVEAL

Display hidden information (answers to quizzes, etc.)

1 + 2 =
2 x 3 =

1 + 2 = 3
2 x 3 = 6

Enlarge the text

SIZE

Double the size of the displayed text

TEXT SIZE

To the index page

INDEX

Returns to page "100" or a previously designated page

Switch briefly from teletext to TV

CANCEL

Leave the current page open, while you switch to watch TV

100
TEXT ---
TEXT ---

100

● Useful when running a page search.

Watching analogue channels

1 Set to "TV"

2 Turn on from standby

The green power lamp on the TV lights.

● Press again to turn the screen off and put the TV into standby mode.

3 Switch to analogue channels

TV/DTV

4 Select a channel

■Switch between mono / stereo / bilingual broadcasting
➡ "STEREO / I-II" (P. 34)

Note

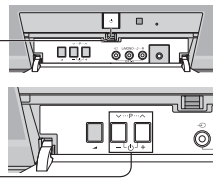
- To completely turn off the TV, unplug the AC plug.
- To watch analogue channels you must register them beforehand.
➡ "AUTO PROGRAM" (P. 34)

Basic operations using the TV buttons

1 Power on

■Turn on from standby

2 Change the channel



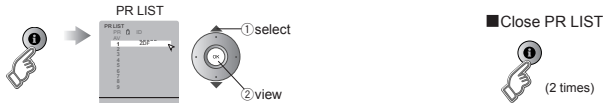
■Volume

■Switch to analogue channels

Display the Current time

● "Time" is displayed only when teletext broadcasting can be received.

Using PR LIST



● Channels registered in "Initial settings" will appear here.

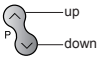
● Select a page ➡ select

Using the number buttons, up / down buttons

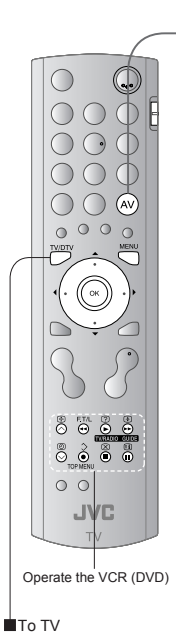
■Press a channel number

E.g.
1 : 0 ➡ 1
15 : 1 ➡ 5

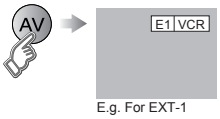
■Move up or down a channel



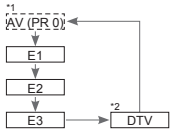
Watching videos / DVDs



1 Select the video source



E.g. For EXT-1



*1: Only appears when AV has been registered as a channel.
*2: Switch to Digital channels.

2 Operate the connected device and play a video

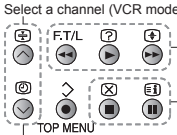
Operate JVC VCRs and other devices

1 DVD players

VCRs and DVD recorders

2 Turn on the device

3 Select a channel (VCR mode)



Rewind / Playback / Fast-forward

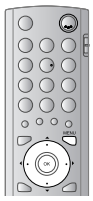
Stop / Pause

Record / Display DVD top menu

Select a chapter (DVD mode)

● Some models of JVC devices cannot be operated with this remote control.

Advanced functions



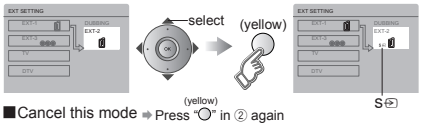
1 MENU Display the menu bar

2 Select "SET UP" Select "EXT SETTING"

Switch to S-VIDEO input

S-IN

① Select the "EXT-2" ② Set S-VIDEO input



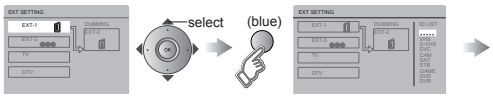
● The device selection display will change from "E2" to "S2".

■Cancel this mode ➡ Press "(yellow)" in ② again

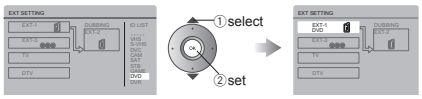
Edit names of connected devices

ID LIST

① Select an "EXT" to assign a name to ② Show the name list



③ Select a name from the list

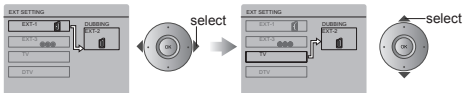


■Clear the name ➡ Select the blank space in ③

Set up dubbing on EXT-2

DUBBING

① Select the arrow ② Select the dubbing source

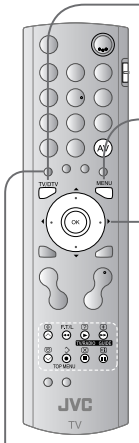


ENGLISH

IMPORTANT! PREPARE USE SETTINGS TROUBLE?

Using timer-record

DTV original function and setting, such as a recorder-linked timer-record setting, can be selected from the DTV menu.

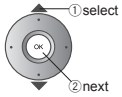


1 Switch to digital channels
TV/DTV

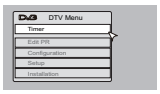
■Switch TV / RADIO
RADIO

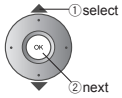
2 Display the menu bar
MENU

3 Select “DTV”



4 Select “Timer”





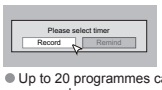
5 Set “Timer”

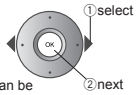
(red)

■To the previous screen
➡ BACK

■Exit
➡ MENU

6 Select an item





● Up to 20 programmes can be reserved.

■Cancel a reservation
➡ Select the reservation. Press “●” (green). Select “Yes” and press “OK” button.

■Change a reservation
➡ Select the reservation and press “OK”.

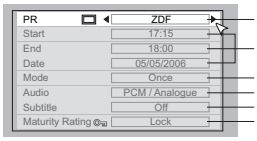
■Search a channel using EPG ➡ Press “●” (yellow)

7 MENU

Reserve a programme to record

Record

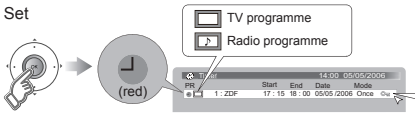
1 Input / confirm timer-record settings



Select the channel
Enter the time and date with number buttons
Select the reservation mode (Once / Daily / Weekly)
Normally set to “PCM” (PCM / Analogue, Dloby Digital) ➡ (P. 55)
Set subtitle recording (Off / On)
Lock the recording with the maturity rating (Lock / Unlock)

● A message will be displayed if there is problem with the reservation
● In the following cases, enter the PIN code ➡ “When entering the PIN Code” (P. 36)
· When changing the “Maturity Rating”
· When reserving a channel which is set to “Lock” (P. 45)

2 Set



● At the start time, the channel will automatically change and the device connected to “EXT-2” will begin recording the programme.

: When “Maturity Rating” is set to “Unlock”

● If you reserved the programme using EPG, the screen will return to EPG instead.
➡ Step 3 in “Timer” (P. 20)

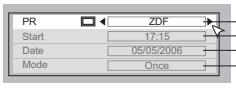
3 Prepare for recording

· Make sure not to turn off the main power.
The Record will not function when the power lamp is unlit.
· Set the recording device to external input mode before the start time.
· Manually set the timer on “T-V LINK” incompatible devices. For details, refer to the device’s manual.
· Make sure that recording times on the recording device do not overlap with recording times on the TV.
· Some “T-V LINK” compatible DVD recorders may not work correctly.
● When Rec Timer has been set, the power lamp on the TV will :
Start blinking 3 minutes before the start time (green or red)
Light during recording (green or orange)

Reserve a programme to watch

Remind

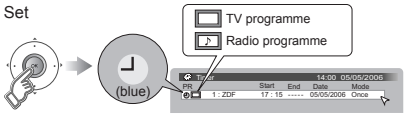
1 Input / confirm timer-record settings



Select the channel
Enter the time and date with number buttons
Select the reservation mode (Once / Daily / Weekly)

● A message will be displayed if there is problem with the reservation

2 Set



● Make sure not to turn to standby or turn off the main power on time of onset.
● At the start time, the channel will automatically change.

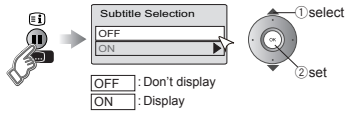
● If you reserved the programme using EPG, the screen will return to EPG instead.
➡ Step 3 in “Timer” (P. 20)

Useful functions

View subtitles

SUBTITLE

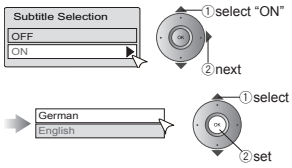
(Digital channels)



OFF : Don't display
ON : Display

- By default, German is automatically selected. When not broadcast in German, another broadcast language is automatically selected.
- When no subtitles are broadcasted, "No Subtitles" is displayed.

■Switch to another language



: Special subtitles for the hearing impaired

Undefined : When the subtitle's language cannot be identified

- The language that can be selected depends on the broadcast.

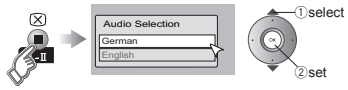
Select audio language

AUDIO SELECTION

(Digital channels)

By default, German is automatically selected. When not broadcast in German, another broadcast language is automatically selected.

■Switch to another language



: Special audio track for the visually impaired

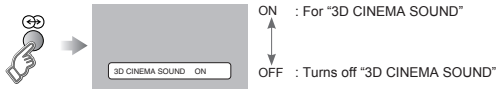
Undefined : When the audio's language cannot be identified

Dolby : Dolby Digital

- The language that can be selected depends on the broadcast.
- Please read ""Dolby Digital" output from the "DIGITAL AUDIO OUT" terminal" (P. 55) before selecting "Dolby".

Enjoy ambient sound

3D CINEMA SOUND

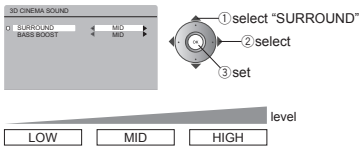


ON : For "3D CINEMA SOUND"

OFF : Turns off "3D CINEMA SOUND"

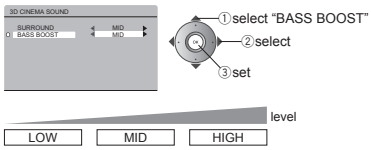
■Adjust the ambience level

➡"MENU" ➡ "SOUND" ➡ "3D CINEMA SOUND"



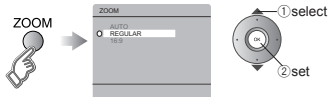
■Emphasize the bass sound

➡"MENU" ➡ "SOUND" ➡ "3D CINEMA SOUND"



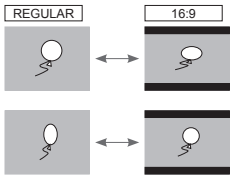
Change the aspect ratio

ZOOM



AUTO

The aspect ratio will turn to the ratio obtained from the information the TV received.



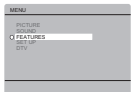
29-30
6/30/2006 11:50:47 AM

Useful functions (continued)

1 Display the menu

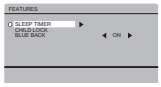
MENU

2 Select “FEATURES”



①select
②next

3 Select



■To the previous screen
➡ ❶

■Exit
➡ MENU

Set a time for the TV to turn itself off

SLEEP TIMER

1

①select “SLEEP TIMER”
②next

2

①select a time in minutes

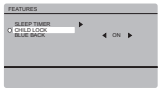
3

■Cancel ➡ Set the time to “0” in step 2
■Remaining time ➡ You can confirm the remaining time at step 2, after repeating this process.

Stop children from watching specific channels

CHILD LOCK
(Analogue channels)

1

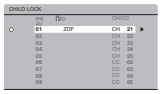


select “CHILD LOCK”

2

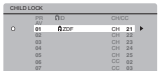
①enter an “ID NO.” (a secret number of your choice)
②to the next column
③set

3



select a channel to lock

4 (blue)



■Lock more channels
➡ Repeat steps 3 and 4

5

■Release a channel ➡ Press “(blue)” again in step 4
■View a locked channel ➡ Use the numerical buttons to enter the channel number. When 🔒 appears, press “❶” and enter your “ID NO.”.(If you forget your “ID NO.”, check it in step 2.)

●BLUE BACK (Analogue channels): Display blue screen and mute the sound when the signal is weak or absent (ON / OFF)

ENGLISH

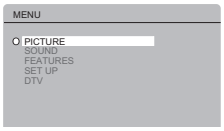
IMPORTANT! PREPARE USE SETTINGS TROUBLE?

31-32 6/30/2006 11:50:49 AM

Customising your TV

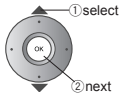
1 Display the menu bar

MENU

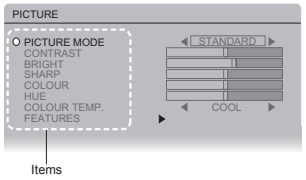


● DTV menu is available only when watching digital channels ➡ (P. 35)

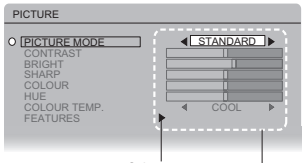
2 Select a menu



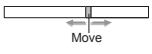
3 Select an item



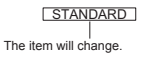
4 Adjust / Configure

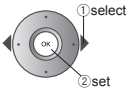


■When adjusting with the sliding-bar



■When selecting from presets





● Some items have a sub-menu.

■To the previous screen ➡ BACK

■Exit ➡ MENU

● The menu disappears after one minute of inactivity.
● Some functions may not be displayed on menu depending on the situation.

Menu	Item	Adjustments / Configurations	
PICTURE	PICTURE MODE	Picture mode (BRIGHT / STANDARD / SOFT)	
	CONTRAST	Contrast (Lower ⇔ Higher)	● To reset to default settings ➡ (Blue)
	BRIGHT	Brightness (Darker ⇔ Brighter)	
	SHARP	Sharpness (Softer ⇔ Sharper)	
	COLOUR	Colour (Lighter ⇔ Deeper)	
	HUE (NTSC only)	Tint (Reddish ⇔ Greenish)	
	COLOUR TEMP.	Colour temperature (WARM / NORMAL / COOL)	
	FEATURES	Finer picture adjustments (P. 37)	
SOUND	STEREO / I · II	Mode / Language (⊂⊃ : STEREO / ○ : MONO / I : SUB1 / II : SUB2)	
	BASS	Low tones (Weaker ⇔ Stronger)	
	TREBLE	High tones (Weaker ⇔ Stronger)	
	BALANCE	Speaker balance (Left Stronger ⇔ Right Stronger)	
	HYPER SOUND	Ambient sound (ON / OFF)	
	3D CINEMA SOUND	Finer sound adjustments (P. 30)	
FEATURES	SLEEP TIMER	Timer for turning off the TV (P. 31)	
	CHILD LOCK	Stops children from watching specific channels (P. 31)	
	BLUE BACK	Displays a blue screen and mute the sound when the signal is weak or absent (ON / OFF)	
SET UP	AUTO PROGRAM	Select a country, it automatically registers channels (P. 13, ❹)	
	EDIT / MANUAL	Change registered channels or add new ones (P. 47)	
	LANGUAGE	Select a language for on-screen menus (P. 13, ❸)	
	PICTURE TILT	Picture tilt (Tilt Left ⇔ Tilt Right)	
	DECODER(EXT-2)	For when connected to VCR with "T-V LINK" (ON / OFF)	
	EXT SETTING	For use with video players and other devices (P. 26)	
	ATTENUATOR	For when digital channels are not received because of too strong radio waves (ON / OFF)	

● Other settings · Change the aspect ratio ➡ "ZOOM" (P. 30)
· Turn on "3D CINEMA SOUND" ➡ "3D CINEMA SOUND" (P. 30)

Using DTV menu

Digital channels original function and setting can be selected from the DTV menu.

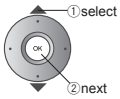
1 Switch to digital channels

TV/DTV

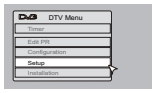
2 Display the menu bar

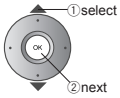
MENU

3 Select “DTV”



4 Select “Setup”





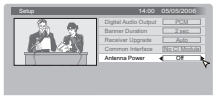
■To the previous screen

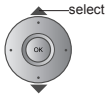
BACK

■Exit

MENU

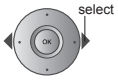
5 Select an item





E.g. “Antenna Power”

6 Change setting



E.g. “Antenna Power”

7 Finish

MENU

Menu	Item		Adjustments / Configurations
DTV	Timer		Reserve a programme to record / watch (P. 27)
	Edit PR		Edit / Delete / Lock registered digital channels or add them to favourites. (P. 45)
	Configuration	Country	Confirm the country of installation (P. 39)
		Menu Language	Select a language for on-screen menus (P. 39)
		Audio Language	Confirm the default language for audio (P. 39)
		Subtitle Language	Confirm the default language for subtitle (P. 39)
		Teletext Language	Confirm the default language for teletext (P. 39)
		Enter PIN Code	Change PIN code (P. 39)
		Favourite Mode	Enable your favourite channels (P. 39)
		Maturity Rating	Restrict programmes according to the age (P. 39)
	Setup	Digital Audio Output	When the Dolby Digital signal is received, you can select to output the signal from the DIGITAL AUDIO OUTPUT terminal. (P. 41)
		Banner Duration	Select the display time for channel information (2 sec / 5 sec / 8 sec)
		Receiver Upgrade	Upgrade your tuner software as newer versions becomes available. (P. 41)
		Common Interface	Set Conditional Access Module (P. 41)
		Antenna Power	Power supply for the indoor aerial (P. 41)
	Installation	Service Scan	Register channels (P. 43)
		Signal Check	Check the broadcast signal (P. 43)
		Factory Settings	Initialise the DTV settings (P. 43)

When entering the PIN code

When watching digital channels or changing DTV menu settings, it may be necessary for you to enter a PIN code.
Once a PIN code has been entered, there is no need to enter it again until the TV is turned off.

- The default PIN code is “0000”.
- You can set your own PIN code. ➡ “Enter PIN Code” (P. 39)

35-36
6/30/2006 11:50:56 AM

Advanced picture adjustment

By default, the TV automatically adjusts itself for the best picture.

■To the previous screen

BACK

■Exit

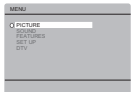
MENU

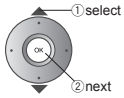
● The menu disappears after one minute of inactivity.

1 Display the menu bar

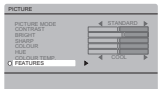
MENU

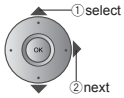
2 Select “PICTURE”



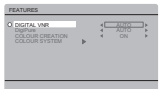


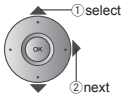
3 Select “FEATURES”





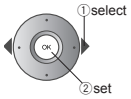
4 Select an item





E.g. “DIGITAL VNR”

5 Change settings

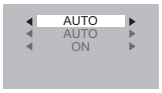


E.g. “DIGITAL VNR”

6 Finish

To reduce noise

DIGITAL VNR

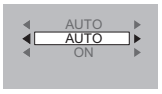


level

OFF	MIN	AUTO	MAX
: Function is turned off	: When the picture loses sharpness		: When noise appears

For natural-looking outlines

DigiPure

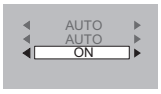


level

OFF	MIN	AUTO	MAX
: Function is turned off	: When noise appears		: When the picture loses sharpness

For natural-looking pictures

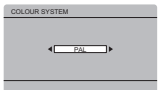
COLOUR CREATION



OFF	ON
: Function is turned off	: Maintain a natural colour balance

When there is no colour

COLOUR SYSTEM



Select the colour system

PAL	SECAM	NTSC 3.58	NTSC 4.43	AUTO
: Western Europe	: Eastern Europe / France	: USA 3.58 MHz	: USA 4.43 MHz	: When watching videos, etc.

DTV configuration

Available for favourite channel selection, changing PIN code, and selecting maturity rating, etc.

■To the previous screen
➡ BACK

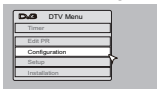
■Exit
➡ MENU

1 Switch to digital channels
TV/DTV

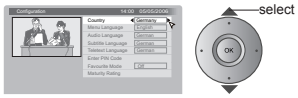
2 Display the menu bar
MENU

3 Select “DTV”

4 Select “Configuration”



5 Select an item



6 Finish
MENU

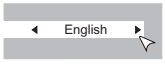
Country

The country of installation

Germany
● Germany only

Menu Language

Select a language for on-screen menus



Deutsch English

Audio Language

Default language for audio

German
● German only
● For visually impaired ➡

Subtitle Language

Default language for subtitle

German
● German only
● For hearing impaired ➡

Teletext Language

Default language for teletext

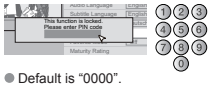
German
● German only

Change PIN code

Enter PIN Code

① Select “Enter Pin Code”

② Input the current code



● Default is “0000”.
➡ “When entering the PIN code” (P. 36)
● If you forget the code Input “0081”

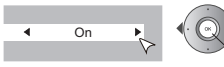
③ Input a new code twice

Enable your favourite channels

Favourite Mode

① Select “Favourite Mode”

② Select “On”



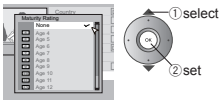
● If you cannot select “On”, register channels in “favourites” first ➡ “Favourites” (P. 45)

Set the viewing age limit

Maturity Rating

① Select “Maturity Rating”

② Select age



● Only programmes with a maturity rating can be restricted.
● To watch the restricted programme, the PIN code must be entered.

DTV setup

Available for setting power supply for the aerial, and upgrading the tuner software, etc.

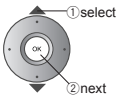
1 Switch to digital channels

TV/DTV

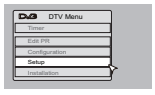
2 Display the menu bar

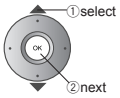
MENU

3 Select “DTV”



4 Select “Setup”





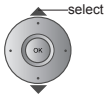
■To the previous screen

BACK

■Exit

MENU

5 Select an item



6 Finish

MENU

Output the Dolby Digital signal

Digital Audio Output

PCM

PCM : The Linear PCM signal is output

Dolby Digital : The Dolby Digital signal is output

- Only when the Dolby Digital signal is received
- Please read “Dolby Digital output from the DIGITAL AUDIO OUT terminal” (P. 55) before setting.

Upgrade tuner

Receiver Upgrade

You can upgrade the tuner software as newer versions become available. Normally set to “Auto”.

Auto

Auto : Automatically download and install software upgrades

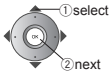
Manual : Manually download and install software upgrades

- This occurs at midnight when the TV’s power is off.
- When you change the setting, enter PIN code

■When JVC or the broadcasting station informs you of the new software, download it as follows.

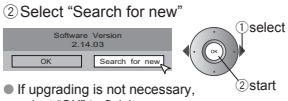
① Select “Manual”

Manual



- Enter PIN code if needed.

② Select “Search for new”



- If upgrading is not necessary, select “OK” to finish.

③ Select “Yes”

- If the TV has upgrade to the latest tuner software, the message “Search completed. No new software found” will appear.
- Select “In standby” instead of “Yes” if you want to upgrade the software automatically when the TV is turned off.

Set Conditional Access Module

Common Interface

To watch pay-TV digital channels, use the Conditional Access Module menu.
This function can only be used when pay-TV can be received in your region.

No CI Module

No CI Module : Function is not available

- When the Conditional Access Module etc. is inserted after subscribing to the broadcasting company, this function is available.
  ➡ “Watch pay-TV digital channels” (P. 8)

① Press “OK” button to display the Conditional Access Module menu

② Follow the instructions on the screen to set up pay-TV

- The content of the menu is different depending on the broadcasting company.
  ➡ For details, consult your broadcasting company
- The language shown in the menu may differ to the “Language” set for the TV.

Power supply for the indoor aerial

Antenna Power

Off

Off : Power not supplied

On : Power supplied

- Please read “Power supply for the indoor aerial” (P. 54) before setting.

- Banner Duration: Select the display time for channel information (2 sec / 5 sec / 8 sec)

DTV installation

Available for registration of digital channels, checking of digital channels signal, and initialisation of all digital channels settings.

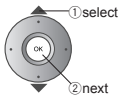
1 Switch to digital channels

TV/DTV

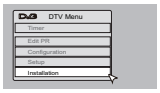
2 Display the menu bar

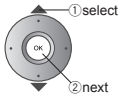
MENU

3 Select “DTV”



4 Select “Installation”





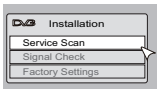
■To the previous screen

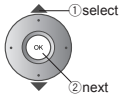
➡ BACK

■Exit

➡ MENU

5 Select an item





6 Finish

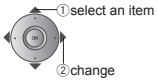
MENU

Register a new channel

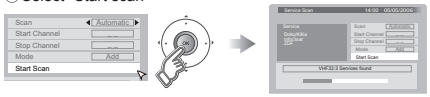
Service Scan

① Set items

Scan	Automatic : Scan automatically Manual : Scan a specified channel range Network : You can select and register only necessary networks.
Start Channel	Specify a scanning channel range (E5-E69) (For “Manual”)
Stop Channel	
Mode	Add : Add a new channel to the registered channel Reinstall : Register all channels again



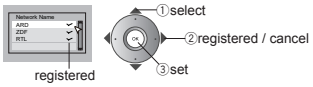
② Select “Start scan”



③ Select “Yes”

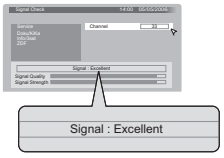
■For “Network”

Select broadcasting stations from a list



Check the signal

Signal Check



Signal : Excellent

- This channel is the frequency of the digital broadcasting. It differs from the channel number displayed in the TV.
- Select another broadcast channel ➡ select (E5-E69)

Signal level

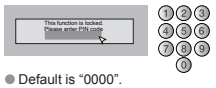
Poor | Acceptable | Excellent

Initialise the DTV settings

Factory Settings

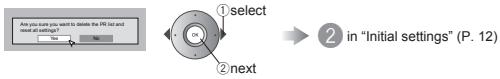
All registered digital channels are deleted and the DTV menu settings are initialised. Digital channels are reregistered.

① Enter PIN code



- Default is “0000”.
  ➡ “When entering the PIN code” (P. 36)

② Select “Yes”



Editing digital channels

Edit the channels registered with “Automatic” in “Initial settings” (P. 12).

■To the previous screen
➡ BACK

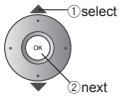
■Exit
➡ MENU

1 Switch to digital channels
TV/DTV

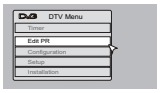
■Switch TV / RADIO

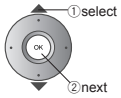
2 Display the menu bar
MENU

3 Select “DTV”



4 Select “Edit PR”





5 Select a channel

6 Edit

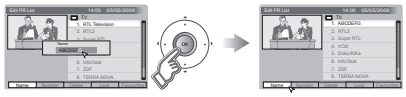
7 Finish
MENU

Edit a channel name — Name

① Select “Name”

② Change the name

③ Set

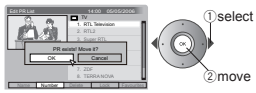


Edit a channel number — Number

① Select “Number”

② Change the number

③ Select “OK”

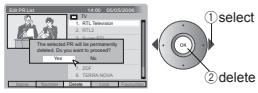


- Only when the same channel number exists.
- The channels are rearranged in numerical order.

Delete a channel — Delete

① Select “Delete”

② Select “Yes”



Stop Children from watching specific channels — Lock

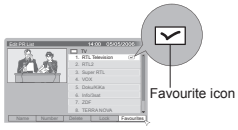
① Select “Lock”

② Lock

- Enter PIN code if needed
  ➡ “When entering the PIN code” (P. 36)
- To release, press “OK” button again.
- To enable “Lock” function, turns the TV off and on again.
- To watch the locked channels, the PIN code must be entered.

Register your favourite channel — Favourites

① Select “Favourites”

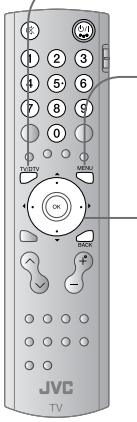


- To release, press “OK” button again.
- To move through only your favourite channels and have them appear in the PR list.
  ➡ “Favourite Mode” (P. 39)

45-46
6/30/2006 11:51:20 AM

Editing analogue channels

Edit the channels registered with “AUTO PROGRAM” in “Initial settings” (P. 13).
When coming from “Initial settings” (P. 13), skip to 6.



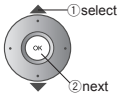
■To the previous screen
➡ BACK

■Exit
➡ MENU

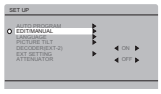
1 Switch to analogue channels
TV/DTV

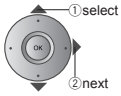
2 Display the menu bar
MENU

3 Select “SET UP”

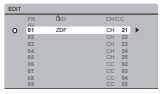


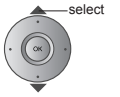
4 Select “EDIT / MANUAL”





5 Select a row





6 Edit

7 Confirm settings

8 Finish

● If “FEATURE NOT AVAILABLE” appears :
➡ Is a “T-V LINK” compatible device connected to “EXT-2”?
➡ Is the device turned on?
● “T-V LINK” ➡ (P. 11)

■When using “T-V LINK”

■When not using “T-V LINK”
TV/DTV

Move a channel’s position — MOVE

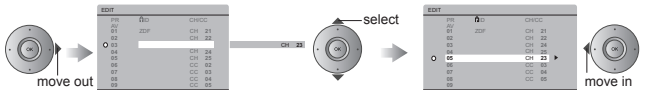
Edit a channel name — ID

Insert a channel — INSERT

Delete a channel — DELETE

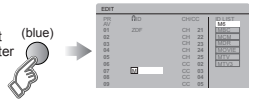
Register a new channel — MANUAL

① Begin ② Select a destination ③ Finish



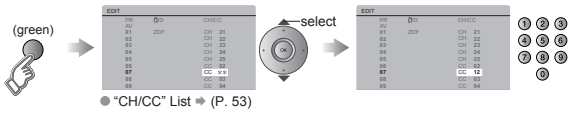
① Begin ② Enter a channel name

■When selecting a preset name from the “ID LIST”



■When manually naming a channel

① Begin ② Select a “CH / CC” ③ Enter a number

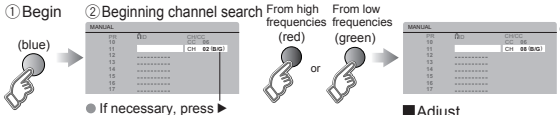


● Receives the broadcast signal.

● “CH/CC” List ➡ (P. 53)

① Delete

① Begin ② Beginning channel search



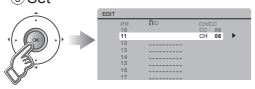
● If necessary, press ▶ to change the broadcasting system.
➡ “Receivable broadcast systems (Analogue channels)” (P. 54)

● Auto-search begins, and the nearest frequency is imported.
➡ Repeat the previous steps until the desired channel is displayed

■Adjust

● Picture fine tuning ➡ (yellow)/(blue)
● Sound fine tuning ➡ select a system

③ Set



47-48
6/30/2006 11:51:30 AM

Troubleshooting

■ Analogue channels

Severe noise or snow

- Is the TV connected correctly to the aerial?
- Change the direction of the aerial.
- Is the aerial or its cable damaged?
  ➡ Consult your retailer

Patterns, stripes or noise

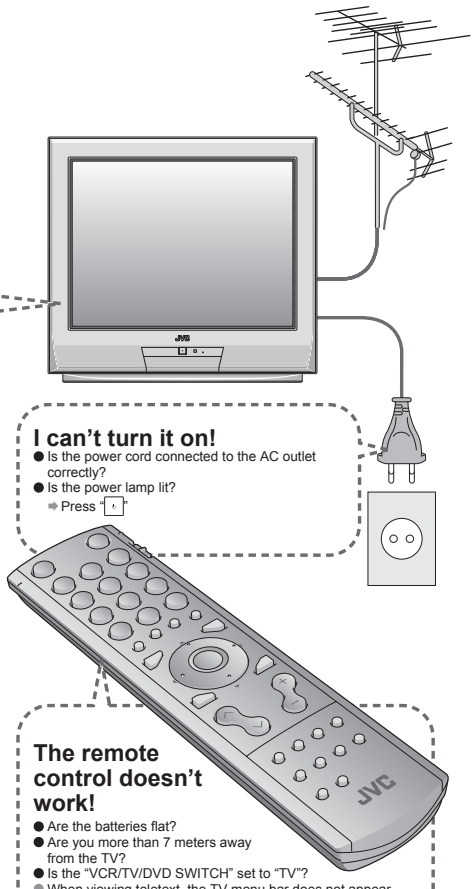
- Is the aerial receiving interference from high-voltage power lines or wireless transmitters?
  ➡ Consult your retailer
- Are connected devices too close to the TV?
  ➡ Insert the minimum distance between the aerial and the cause of interference until no interference

Ghosting

(Doubling of images)

- Are you receiving interference from signals reflected off mountains or buildings?
  ➡ Adjust the direction of your aerial, or change to a good-quality directional aerial

■ Digital channels ➡ (P. 14)



I can't turn it on!

- Is the power cord connected to the AC outlet correctly?
- Is the power lamp lit?
  ➡ Press "I/⏻"

The remote control doesn't work!

- Are the batteries flat?
- Are you more than 7 meters away from the TV?
- Is the "VCR/TV/DVD SWITCH" set to "TV"?
- When viewing teletext, the TV menu bar does not appear.
- Depending on the stability of the signal, there may be a time lag when changing channels.

	Problem	Actions	page
Basics	Not displayed (black screen)	● Is the analogue channel reception poor, too? ➡ Following the instructions in "Severe noise or snow" can solve this problem. ● Digital channels are not displayed ➡ When the TV cannot find the digital channels ● There may be problems at the aerial, radio waves, or the area you live in, where reception is bad. Consult your retailer.	49 14 –
Basics	Remote control stops working	● Press "I/⏻" to turn off the main power. Then after few minuites press "I/⏻" again to turn the TV back on.	–
Basics	Digital channel screen is frozen		
Basics	Some functions does not display on menu	● It is not a malfunction. Some functions in the menu will not be displayed depending on the situation.	–
Basics	Loud buzzing sound when turning on the TV	● It is not a malfunction. This occurs only when the TV needs to warm up.	–
Screen	Aspect ratio changes unintentionally	● Press "ZOOM" to return to your settings.	30
Picture	Poor picture quality	● Unnatural colour >>> Adjust "COLOUR" and "BRIGHT". Check your "COLOUR SYSTEM" ● Noise >>> Set to the following functions. PICTURE MODE : STANDARD DIGITAL VNR : AUTO DigiPure : MIN ● Dull picture >>> Set to the following functions. PICTURE MODE : BRIGHT DIGITAL VNR : MIN DigiPure : MAX	34 38 34 38 38 34 38 38
Picture	Strange picture when using an external device	● If you connected S-Video output device, check the "S-IN" setting. ● If the top of the image is distorted, check the video signal quality itself.	26 –
Sound	Poor sound	● Adjust the "BASS" and "TREBLE". ● If receiving a poor signal in "STEREO / I-II", switch to "MONO". ● Adjust the channel reception using "MANUAL".	34 34

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Troubleshooting (continued)

	Problem	Actions	page
Error message	“FEATURE NOT AVAILABLE”	● Is the “T-V LINK” compatible device connected to “EXT-2”? ● Is the SCART CABLE “Fully Wired”? ● Is the “T-V LINK” compatible device turned on? After confirming all the conditions above, press “OK” button again.	54 54 –
	“No Recording”	● A problem occurs at the recorder.	–
	“No Recording Possible”	● The displayed video cannot be recorded.	–
	“No Recording Media Problem”	● The recorder is not ready for recording. Check the videotape or DVD disc.	–
	“No Recording Device Busy”	● The recorder is recording another programme, or is playing.	–

	Problem	Actions	page
DTV	No picture, no sound	● Some digital channels cannot be watched on this TV.	54
	“Dolby Digital selected! No analogue audio available”	When “Dolby Digital” is selected in “Digital Audio Output”, the sound of a programme containing “Dolby Digital” signals cannot be output from the TV or the audio system connected to the “AUDIO OUT” terminal. When the channel is changed, a message will be displayed for a few seconds. ● To listen with the TV or audio system ➡ Select a language without “(Dolby)” from “Audio Selection” ➡ Switch “Digital Audio Output” to “PCM”	55 29 41
	Forgot my PIN code!	● The default PIN code is “0000”. If you forget the numbers that you used to change the default PIN code, first input “0081” in the “Enter PIN code” and then register a new PIN code.	39
	Locked channels can be watched without inputting PIN code	● Once the PIN code is input, all the lock functions (“Lock” and “Maturity Rating”) are released. If you want to use the lock function again, turn the TV off and then turn it on again.	–
	When JVC or the broadcasting station informs you of the software	● Upgrade the tuner software by using the “Receiver Upgrade” function.	41

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“CH/CC” List

To use the INSERT function (P. 47), find the “CH/CC” number corresponding to the TV’s analogue channel number from this table.

- When the Country setting is “France”, select a three-digit CH/CC number.

CH	Channel
CH 02/CH 202	E2, R1
CH 03/CH 203	E3, ITALY A
CH 04/CH 204	E4, ITALY B, R2
CH 05/CH 205	E5, ITALY D, R6
CH 06/CH 206	E6, ITALY E, R7
CH 07/CH 207	E7, ITALY F, R8
CH 08/CH 208	E8, R9
CH 09/CH 209	E9, ITALY G
CH 10/CH 210	E10, ITALY H, R10
CH 11/CH 211	E11, ITALY H+1, R11
CH 12/CH 212	E12, ITALY H+2, R12
CH 21/CH 221	E21, R21
CH 22/CH 222	E22, R22
CH 23/CH 223	E23, R23
CH 24/CH 224	E24, R24
CH 25/CH 225	E25, R25
CH 26/CH 226	E26, R26
CH 27/CH 227	E27, R27
CH 28/CH 228	E28, R28
CH 29/CH 229	E29, R29
CH 30/CH 230	E30, R30
CH 31/CH 231	E31, R31
CH 32/CH 232	E32, R32
CH 33/CH 233	E33, R33
CH 34/CH 234	E34, R34
CH 35/CH 235	E35, R35
CH 36/CH 236	E36, R36
CH 37/CH 237	E37, R37
CH 38/CH 238	E38, R38
CH 39/CH 239	E39, R39

CH	Channel
CH 40/CH 240	E40, R40
CH 41/CH 241	E41, R41
CH 42/CH 242	E42, R42
CH 43/CH 243	E43, R43
CH 44/CH 244	E44, R44
CH 45/CH 245	E45, R45
CH 46/CH 246	E46, R46
CH 47/CH 247	E47, R47
CH 48/CH 248	E48, R48
CH 49/CH 249	E49, R49
CH 50/CH 250	E50, R50
CH 51/CH 251	E51, R51
CH 52/CH 252	E52, R52
CH 53/CH 253	E53, R53
CH 54/CH 254	E54, R54
CH 55/CH 255	E55, R55
CH 56/CH 256	E56, R56
CH 57/CH 257	E57, R57
CH 58/CH 258	E58, R58
CH 59/CH 259	E59, R59
CH 60/CH 260	E60, R60
CH 61/CH 261	E61, R61
CH 62/CH 262	E62, R62
CH 63/CH 263	E63, R63
CH 64/CH 264	E64, R64
CH 65/CH 265	E65, R65
CH 66/CH 266	E66, R66
CH 67/CH 267	E67, R67
CH 68/CH 268	E68, R68
CH 69/CH 269	E69, R69

CC	Channel
CC 01/CC 201	S1
CC 02/CC 202	S2
CC 03/CC 203	S3
CC 04/CC 204	S4
CC 05/CC 205	S5
CC 06/CC 206	S6
CC 07/CC 207	S7
CC 08/CC 208	S8
CC 09/CC 209	S9
CC 10/CC 210	S10
CC 11/CC 211	S11
CC 12/CC 212	S12
CC 13/CC 213	S13
CC 14/CC 214	S14
CC 15/CC 215	S15
CC 16/CC 216	S16
CC 17/CC 217	S17
CC 18/CC 218	S18
CC 19/CC 219	S19
CC 20/CC 220	S20
CC 21/CC 221	S21
CC 22/CC 222	S22
CC 23/CC 223	S23
CC 24/CC 224	S24
CC 25/CC 225	S25
CC 26/CC 226	S26
CC 27/CC 227	S27
CC 28/CC 228	S28
CC 29/CC 229	S29
CC 30/CC 230	S30

CC	Channel
CC 31/CC 231	S31
CC 32/CC 232	S32
CC 33/CC 233	S33
CC 34/CC 234	S34
CC 35/CC 235	S35
CC 36/CC 236	S36
CC 37/CC 237	S37
CC 38/CC 238	S38
CC 39/CC 239	S39
CC 40/CC 240	S40
CC 41/CC 241	S41
CC 75/CC 275	X
CC 76/CC 276	Y, R3
CC 77/CC 277	Z, ITALY C, R4
CC 78/CC 278	Z+1, R5
CC 79/CC 279	Z+2

CH	Channel
CH 102	F2
CH 103	F3
CH 104	F4
CH 105	F5
CH 106	F6
CH 107	F7
CH 108	F8
CH 109	F9
CH 110	F10
CH 121	F21
CH 122	F22
CH 123	F23
CH 124	F24
CH 125	F25
CH 126	F26
CH 127	F27
CH 128	F28
CH 129	F29
CH 130	F30
CH 131	F31
CH 132	F32
CH 133	F33
CH 134	F34
CH 135	F35
CH 136	F36
CH 137	F37
CH 138	F38
CH 139	F39
CH 140	F40

CH	Channel
CH 141	F41
CH 142	F42
CH 143	F43
CH 144	F44
CH 145	F45
CH 146	F46
CH 147	F47
CH 148	F48
CH 149	F49
CH 150	F50
CH 151	F51
CH 152	F52
CH 153	F53
CH 154	F54
CH 155	F55
CH 156	F56
CH 157	F57
CH 158	F58
CH 159	F59
CH 160	F60
CH 161	F61
CH 162	F62
CH 163	F63
CH 164	F64
CH 165	F65
CH 166	F66
CH 167	F67
CH 168	F68
CH 169	F69

CC	Frequency (MHz)
CC 110	116-124
CC 111	124-132
CC 112	132-140
CC 113	140-148
CC 114	148-156
CC 115	156-164
CC 116	164-172
CC 123	220-228
CC 124	228-236
CC 125	236-244
CC 126	244-252
CC 127	252-260
CC 128	260-268
CC 129	268-276
CC 130	276-284
CC 131	284-292
CC 132	292-300
CC 133	300-306
CC 141	306-311
CC 142	311-319
CC 143	319-327
CC 144	327-335
CC 145	335-343
CC 146	343-351
CC 147	351-359
CC 148	359-367
CC 149	367-375
CC 150	375-383
CC 151	383-391

CC	Frequency (MHz)
CC 152	391-399
CC 153	399-407
CC 154	407-415
CC 155	415-423
CC 156	423-431
CC 157	431-439
CC 158	439-447
CC 159	447-455
CC 160	455-463
CC 161	463-469

Technical information

What is “T-V LINK”?

“T-V LINK” allows the TV to share information easily with a connected “T-V LINK” compatible device.
By using T-V LINK :

- You can send the analogue channel information programmed on the TV to the “T-V LINK” compatible device, so that both the TV and the external device have the same channel settings. When connecting a new external device, channel information is loaded into it, allowing channel setup to be completed very quickly. For more details, refer to the external device’s manual.
- You can easily record the TV programme you are viewing on a “T-V LINK” compatible device by using the “DIRECT REC” feature. For more details, refer to the external device’s manual.
- After timer-record setting, the TV will instruct the recorder to start and stop recording, via DIRECT REC.

Receivable broadcast systems (Analogue channels)

Depending on the country selected during “AUTO PROGRAM”, the receivable broadcast system differs.

- UNITED KINGDOM: Receive only PAL-I.
- FRANCE: Can receive SECAM-L.

To receive SECAM-L in countries other than France:
1) Change the “COUNTRY” to “FRANCE” in “AUTO PROGRAM”.
2) Press the “BACK” button to return to the menu and enter the channel using “INSERT” or “MANUAL”.

Power supply for the indoor aerial

When using an indoor aerial which needs external power, set “Antenna power” to “On” during “Initial settings” (P. 11).
The TV will supply DC 5V 50mA (max) from the aerial socket through the cable to the aerial.

- Supplying power to outdoor and indoor aerials which does not need external power, may cause damage to the aerial. If you are uncertain whether the aerial needs external power, select “Off”.
- Connect the aerial directly to the TV. When a recording device is connected between the aerial and the TV, power can not be supplied to the aerial.
- Power is supplied to the aerial only when the TV is on.

■To change the setting after “Initial settings” is complete ➡ “Antenna power” (P. 41)

Digital channels that cannot be watched on this TV

If a digital channel service uses new formats (such as DVB-H or MPEG4, etc.), or MHP, it cannot be watched even though the channel name appears.
If the channel is selected, the picture will not appear and audio cannot be heard.

- You can delete these channels by using the “Delete” in the “Edit PR”
  ➡ “Editing digital channels” (P.45)

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Technical information (continued)

"Dolby Digital" output from the "DIGITAL AUDIO OUT" terminal

Some digital channels are broadcasted with "Dolby Digital" signals.
In these cases, "Dolby Digital" signals can be output from the "DIGITAL AUDIO OUT" terminal.

1. Connect an audio system with a "Dolby Digital" decoder. (P. 10)
2. Change the "Digital Audio Output" setting from "PCM" to "Dolby Digital". (P. 41)
   - When changing the setting, the message "Dolby Digital selected! No analogue audio available." may be displayed for a few seconds.
   - Each time the channel is changed to a channel that is broadcast with "Dolby Digital" signals, the message "Dolby Digital selected! No analogue audio available." may be displayed for a few seconds.
   - Even if "Dolby Digital" is set, "linear PCM" signals will be output by a channel that is not broadcast with "Dolby Digital" signals.
     Set the audio system so that it is compatible with both "Dolby Digital" and "linear PCM". (For details, refer to the audio system instruction manual.)
   - When you want to temporarily change the setting from "Dolby Digital" to "PCM", change with the "Audio selection" menu (P. 29).

■Set "Digital Audio Output" to "PCM" in the following cases.
The sound of a channel broadcast with "Dolby Digital" signals cannot be heard even when "Dolby Digital" is set.
- When listening with the TV speakers.
- When listening with an audio system that does not have a "Dolby Digital" decoder.
- When recording a programme.

■If a language with "(Dolby)" is selected when "(Dolby)" is displayed in the "Audio selection" menu (P. 29), the "Digital Audio Output" setting can be temporarily changed from "PCM" to "Dolby Digital".
- A message recommending you to change the "Digital Audio Output" setting to "Dolby Digital" is displayed for a few seconds.

■If you want to record a "Dolby Digital" signal using timer-record (P. 27), change the "timer-record setting" from "PCM / Analogue" to "Dolby Digital". However, if the setting is changed to "Dolby Digital", you cannot record analogue sound with a recording device that is connected to the EXT-2 terminal.

■"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Specifications

Main unit

Model	AV-29DL6SGE
Broadcasting systems	CCIR I / B / G / D / K / L (See "Technical information", P. 54)
Colour systems	TV broadcast : PAL, SECAM External input : PAL, SECAM, NTSC 3.58/4.43MHz
Channels and frequencies	● Digital : E5-E69 (Frequency: 177.5 MHz-862MHz) ● Analogue : E2-E12 / E21-E69, F2-F10 / F21-F69, IR A-IR J, ITALY A-H / H+1 / H+2, R1-R12 / R21-R69, S1-S41, X / Y / Z / Z+1 / Z+2, French cable channels (Frequency : 116-172 MHz / 220-469 MHz)
Sound-multiplex systems	NICAM (I / B / G / D / K / L), A2 (B / G / D / K)
Teletext systems	Digital : EBU TEXT Analogue : FLOF (Fastext), TOP, WST (standard system)
Power requirements	AC 220 V - 240 V, 50Hz
Audio output (Rated power output)	10 W + 10 W
Speakers	(13 cm x 6.5 cm) oval x 2
Power consumption [standby]	142 W [1.8 W]
Screen size (visible area size measured diagonally)	68 cm
Dimensions (W x H x D: mm)	670 x 615.5 x 404
Weights	41.5 kg
Accessories	(See "Check accessories", P. 5)

- A Conditional Access Module for watching pay-TV digital channels can be installed (P.8)
- DC power can be supplied to the indoor aerial (P.54)

Terminals / Connectors

Terminal name		Terminal type	Signal type (IN)	Signal type (OUT)	Notes
Input / Output terminals	EXT-1	Euroconnector x 1 (SCART connector)	Composite video, Analog RGB AUDIO L / R	TV out	
	EXT-2	Euroconnector x 1 (SCART connector)	Composite video, S-video, AUDIO L / R	Dubbing out	"T-V LINK" compatible
Input terminals	EXT-3	RCA connectors x 3	Composite video AUDIO L / R		
Output terminals	DIGITAL AUDIO OUT	OPTICAL connector x1		Digital audio (48 kHz,16 bit linear PCM / Dolby Digital)	
	Headphone	Stereo mini-jack x 1 (3.5 mm in diameter)		Headphone output	

- We may change the design and specifications without notice.

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